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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 09/181,658 | 10/29/1998 | PATRICK SAVAGE | CIT10113 | 1156 |

7590 01/15/2002

GEORGE T MARCOU
KILPATRICK STOCKTON LLP
700 13TH STREET N W
SUITE 800
WASHINGTON, DC 20005

EXAMINER

KANOF, PEDRO R

ART UNIT

PAPER NUMBER

2164

DATE MAILED: 01/15/2002

#15

Please find below and/or attached an Office communication concerning this application or proceeding.



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09/181,658 10/29/98 SAVAGE

P CITI0113

EXAMINER

TM02/1010

GEORGE T MARCOU
KILPATRICK STOCKTON LLP
700 13TH STREET N W
SUITE 800
WASHINGTON DC 20005

| KANDU P | |
|----------|--------------|
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since
~~10/10/01~~
1-15-02

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Commissioner of Patents and Trademarks

SM

Office Action Summary

Application No.
09/181,658

Applicant(s)
SAVAGE

Examiner
KANOF

Art Unit
2164



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Jul 26, 2001.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1, 4-6, and 10-57 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 4-6, and 10-57 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are objected to by the Examiner.
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. § 119

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).
- a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- *See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Attachment(s)

- 15) ☐ Notice of References Cited (PTO-892)
- 16) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 17) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____
- 18) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 19) ☐ Notice of Informal Patent Application (PTO-152)
- 20) ☐ Other:

Art Unit: 2164

DETAILED ACTION

Response to Amendments

1. This correspondence is in response to the CPA (Paper No. 13) and Pre-Amendment (Paper No. 14) filed 7/26/2001.
2. Claims 1, 50 and 54-55 have been amended as requested.
3. Claims 56 and 5 have been added as requested.
4. Claims 1, 4, 9-16, 19-22, 32-35, 38-41 and 50-57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saville (Defining the Convergent Billing Marketplace, Spring 1997).
5. Claims 5, 6, 17, 18, 23-31, 36, 37 and 42-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saville (Defining the Convergent Billing Marketplace, Spring 1997) in view of Smorodinsky (U.S. Patent No. 6,049,786).

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Art Unit: 2164

7. Claims 1, 4, 9-16, 19-22, 32-35, 38-41 and 51-57 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saville (Defining the Convergent Billing Marketplace, Spring 1997).

Claims 1 and 50: Saville discloses a method and a system for combined billing for at least one customer on a plurality of customer accounts, comprising:

receiving account data for the plurality of customer accounts electronically from time-to-time by a service provider from each of a plurality of billers (capturing customer-generated events, page 1, lines 19-20);

automatically calculating account charges for the plurality of customer accounts from the account data (calculating the bills, page 1, line 20);

aggregating the account charges for at least one customer on a plurality of customer accounts (“combined power, light and telephone services...”, page 3, lines 13-17 and page 2, lines 8 and 9, and “The first challenge...” page 1, lines 17-19);

automatically formatting a combined bill for the customer from the aggregated account charges (providing integrated customer care..., , page. 1, lines 21-22); and

automatically rendering the combined bill to the customer wherein at least one of the plurality of accounts is a recurring bill account and wherein the customer continues to purchase products or services from at least one of billers (feeding the bill data back to the customer..., page 1, lines 20-21 and page 2, lines 39-40) after the service provider acquires ownership of the receivables associated with the account data received (this step/feature is discussed in the next lines).

Art Unit: 2164

Saville does not explicitly disclose acquiring ownership of receivables represented by the account data by the service provider under contractual arrangements with the plurality of billers upon receipt of the account data. Official Notice is taken that it is old and well known within the financial services industry wherein a financial institution buys debts, such as bills, from other organizations. This is common in the mortgage market between the first and secondary markets. This is also used by companies who need cash and sell their account receivables (debts) to a financial institution or collection agency. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to acquire ownership of receivables. One would be motivated to acquire ownership of receivables in order to increase the flexibility of the financial solutions and to integrate all the steps of the billing process with the reception and control of the customer payments.

Claim 4: Saville discloses the method of claim 1. Saville also discloses wherein the account charge is calculated by a computer application (“....systems...”, Page 3, line 29, and “...network....”-connection of computers (Page 6, lines 16-20).

Claim 9: Saville discloses the method of claim 1. Saville also discloses wherein one of the plurality of customer accounts comprises a wireless communications account, and a financial account (Page 1, lines 9-15).

Claim 10: Saville discloses the method of claim 9. Saville also discloses wherein the recurring bill account comprises an electric account (page 3, line 15).

Art Unit: 2164

Claim 11: Saville discloses the method of claim 9. Saville also discloses wherein the retail account comprises at least a credit card account ("Retail vendors", page 4, line 39).

Claim 12: Saville discloses the method of claim 9. Saville also discloses wherein the communications account comprises a long distance account, a local account, a wireless account, and an Internet access account (Page 3, lines 18 and 19).

Claim 13: Saville discloses the method of claim 9. Saville also discloses wherein the financial account comprises a bank statement account (page 4, line 38).

Claim 14: Saville discloses the method of claim 9. Saville also discloses wherein the cable services include pay television services (Page 3, line 19).

Claim 15: Saville discloses the method of claim 1, further comprising automatically formatting the account charges ("...AS/400...", page 3, lines 21-22).

Claim 16: Saville discloses the method of claim 15, further comprising transmitting the formatted account charges to a bill aggregator ("...transmitted..", page 4, line 10).

Claims 19-22: Saville discloses the method of claim 18. Saville also discloses wherein the usage charge is calculated according to a predefined usage pricing schedule, comprising automatically calculating a tax associated with the usage charge, and wherein the tax is automatically calculated according to a predefined usage charge tax schedule from the usage charge and the associated tax (Page 6, lines 3-5).

Claims 32- 35: Saville discloses method of claim 29. Saville also discloses wherein assembling further comprises automatically calculating a discount associated with the assembled

Art Unit: 2164

account charges, and wherein the discount is calculated according to a predefined discount schedule and, wherein assembling further comprises automatically calculating a rebate amount and a reward amount associated with the assembled account charges (“...and discounting...” page 2, lines 38-43).

Claim 38: Saville discloses a method for converging billing services from disparate industries as discussed above in claim 1. Saville also discloses wherein rendering comprises automatically storing the formatted bill for the customer in a storage location (“...immediately stored...”, page 4, lines 13-15).

Claims 39, 51-53: Saville discloses a method and a system for converging billing services from disparate industries as discussed above in claims 38 and 50. Saville also discloses wherein the storage location, the aggregating means, the formatting means and the rendering means comprise a server (“...UNIX open system environments..” is a system architecture that uses servers, page 3, line 22).

Claims 40 and 41: Saville discloses a method and a system for converging billing services from disparate industries as discussed above in claim 38. Saville also discloses further comprising transmitting and displaying the formatted bill from the storage location to a customer’s terminal (the “end service provider” has access to data through a terminal, page 4, lines 10-12).

Claims 54 and 55: Saville discloses a method and a system of combined billing for at least one customer on a plurality of customer accounts by a service provider, comprising:

Art Unit: 2164

entering contractual arrangements with a plurality of billers to have their account data for the plurality of customer accounts delivered to a service provider electronically (electronic interfaces that in turn capture customers requests, page 1, line 18);

receiving the account data electronically from time-to-time during a billing cycle by the service provider from each of the billers, each reading out transactions one at a time to an accounts receivable computer system of the service provider (capturing customer-generated events, page 1, lines 19-20);

storing the account data at a customer level in a computer database of the service provider (business systems based on relational databases, page 1, line 17);

automatically calculating account charges for the plurality of customer accounts from the account data (calculating the bills, page 1, line 20);

aggregating account charges for at least one customer on a plurality of customer accounts and generating a combined bill for the customer from the aggregated account charges at a pre-determined cycle time for the customer's account (Combined power, light and telephone services, page 3, lines 13-17);

automatically formatting a combined bill for the customer from the aggregated account charges (providing integrated customer care..., page 1, lines 21-22); and

automatically rendering the combined bill to the customer as a debt of the customer to the service provider as owner of the receivable represented by the combined bill wherein at least one of the plurality of accounts is a recurring bill account and wherein the customer continues to

Art Unit: 2164

purchase products or services from at least one of billers (feeding the bill data back to the customer..., page 1, lines 20-21 and page 2, lines 39-40) after the service provider acquires ownership of the receivables associated with the account data received (this step/feature is discussed in the next lines).

Saville does not explicitly disclose acquiring ownership of receivables represented by the account data by the service provider under contractual arrangements with the plurality of billers upon receipt of the account data. Official Notice is taken that it is old and well known within the financial services industry wherein a financial institution buys debts, such as bills, from other organizations. This is common in the mortgage market between the first and secondary markets. This is also used by companies who need cash and sell their account receivables (debts) to a financial institution or collection agency. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to acquire ownership of receivables. One would be motivated to acquire ownership of receivables in order to increase the flexibility of the financial solutions and to integrate all the steps of the billing process with the reception and control of the customer payments.

Also Saville does not explicitly disclose remitting payment for the receivables to the billers by the service provider under the contractual arrangement within a pre-determined period after receiving the account data. However, it is inherent that when a financial institution buys debts from an organization, the financial institution remits payment to the organization within a

Art Unit: 2164

pre-determined period after receiving the account data when buys debts, such as bills, from other organizations.

Claims 56 and 57: Saville discloses a method and a system of combined billing for at least one customer on a plurality of customer accounts by a service provider, comprising:

entering contractual arrangements with a plurality of billers to have their account data for the plurality of customer accounts delivered to a service provider electronically (electronic interfaces that in turn capture customers requests, page 1, line 18);

periodically ("...the customer's bill cycle...", page 4, lines 14 and 15) receiving the account data electronically during a billing cycle by the service provider from each of the billers, each reading out transactions one at a time to an accounts receivable computer system of the service provider (capturing customer-generated events, page 1, lines 19-20);

storing the account data at a customer level in a computer database of the service provider (business systems based on relational databases, page 1, line 17);

automatically calculating account charges for the plurality of customer accounts from the account data (calculating the bills, page 1, line 20);

aggregating account charges for at least one customer on a plurality of customer accounts and generating a combined bill for the customer from the aggregated account charges at a pre-determined cycle time for the customer's account (Combined power, light and telephone services, page 3, lines 13-17);

Art Unit: 2164

automatically formatting a combined bill for the customer from the aggregated account charges (providing integrated customer care..., page 1, lines 21-22); and

automatically rendering the combined bill to the customer as a debt of the customer to the service provider as owner of the receivable represented by the combined bill wherein at least one of the plurality of accounts is a recurring bill account and wherein the customer continues to purchase products or services from at least one of billers (feeding the bill data back to the customer..., page 1, lines 20-21 and page 2, lines 39-40) after the service provider acquires ownership of the receivables associated with the account data received (this step/feature is discussed in the next lines).

Saville does not explicitly disclose acquiring ownership of receivables represented by the account data by the service provider under contractual arrangements with the plurality of billers upon receipt of the account data. Official Notice is taken that it is old and well known within the financial services industry wherein a financial institution buys debts, such as bills, from other organizations. This is common in the mortgage market between the first and secondary markets.

This is also used by companies who need cash and sell their account receivables (debts) to a financial institution or collection agency. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to acquire ownership of receivables. One would be motivated to acquire ownership of receivables in order to increase the flexibility of the financial solutions and to integrate all the steps of the billing process with the reception and control of the customer payments.

Art Unit: 2164

Also Saville does not explicitly disclose remitting payment for the receivables to the billers by the service provider under the contractual arrangement within a pre-determined period after receiving the account data. However, it is inherent that when a financial institution buys debts from an organization, the financial institution remits payment to the organization within a pre-determined period after receiving the account data when buys debts, such as bills, from other organizations.

8. Claims 5, 6, 17, 18, 23-31, 36, 37 and 42-49 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saville (Defining the Convergent Billing Marketplace, Spring 1997) in view of Smorodinsky (U.S. Patent No. 6,049,786).

Claims 5 and 6: Saville discloses a method for converging billing services from disparate industries as discussed above in claim 4. However, Saville does not specifically disclose wherein the computer application comprises a financial institution application, such as a bank. Smorodinsky discloses such a step (Bank Net Accounts, Fig.5, 53b). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use computer applications of a financial institution, such as a bank. One would have been motivated to use computer applications of a financial institution, such as a bank, in order to facilitate the system implementation.

Claim 17 and 18: Saville discloses a method for converging billing services from disparate industries as discussed above in claim 1. However, Saville does not specifically disclose

Art Unit: 2164

wherein the account data comprises usage data and automatically calculating a usage charge from the usage data. Smorodinsky discloses such a step (Col. 4, lines 7-9). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use account data and automatically calculating a usage charge from the usage data in the Saville's invention. One would have been motivated to include such steps in order to increase the revenue of the system.

Claims 23, 24 and 27: Saville discloses a method for converging billing services from disparate industries as discussed above in claims 1 and 26. However, Saville does not specifically disclose automatically validating the account data, wherein validating comprises automatically comparing the account data with predefined account data parameters and the account charges with predefined account parameters. Smorodinsky discloses such steps ("compare payments received with payments to be received", Fig. 8). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to automatically validating the account data, wherein validating comprises automatically comparing the account data with predefined account data parameters and the account charges with predefined account parameters.

One would have been motivated to use those steps in order to increase the system accuracy.

Claims 25 and 28: Saville discloses a method for converging billing services from disparate industries as discussed above in claims 24 and 27. However, Saville does not specifically disclose wherein validating comprises automatically rejecting account data that falls

Art Unit: 2164

outside the predefined account data parameters and account charges that fall outside the predefined account parameters. Smorodinsky discloses such a step ("confirm or reject, Fig. 8). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to automatically reject account data that falls outside the predefined account data parameters and account charges that fall outside the predefined account parameters. One would have been motivated to use such steps in order to increase the accuracy of the validation step.

Claims 26, 29 and 36: Saville discloses a method for converging billing services from disparate industries as discussed above in claim 1. However, Saville does not specifically disclose wherein aggregating further comprises automatically validating the aggregated account charges and, automatically validating and assembling the account charges. Smorodinsky discloses such a step (Request/Response to Verify Biller's Account, Fig. 7, No. 15). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to automatically validate and assemble the account charges. One would have been motivated to automatically validate and assemble the account charges in order to minimize the data processing cost.

Claims 30 and 31 . Saville and Smorodinsky disclose a method for converging billing services from disparate industries as discussed above in claim 29. However, Saville does not specifically disclose wherein one of the account charges relates to a credit card account, wherein assembling comprises automatically calculating at least one selected from the group of a fee and a

Art Unit: 2164

finance charge associated with the credit card account charge, and wherein assembling further comprises automatically calculating a credit card account payment due amount from the credit card account charge and at least one selected from the group of the fee and the finance charge. Official notice is taken that those steps are well known within the art and were in use in the credit card industry at the time the invention was made. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to use those steps. One would have been motivated to include those steps in order to saving time and cost in the data processing.

Claim 37: Saville discloses a method for converging billing services from disparate industries as discussed above in claim 1. However, Saville does not specifically disclose wherein the formatted bill comprises an electronic mail message. Smorodinsky discloses such a step (Col. 2, lines 34-37). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to transmit the bill electronically in the Saville's invention. One would have been motivated to transmit the bill electronically in order to increase the speed and efficiency of the billing method.

Claims 42-48: Saville and Smorodinsky disclose a method for converging billing services from disparate industries as discussed above in claim 1. However, Saville does not specifically disclose transmitting, processing, or adjusting an inquiry, request, or order for the customer regarding at least one of a customer accounts or a recurring bill account. Official notice is taken that those steps are well known within the art and were in use in the billing services at the time the invention was made. Therefore, it would have been obvious to one having ordinary skill

Art Unit: 2164

in the art at the time the invention was made to use those steps. One would have been motivated to include those steps in order to increase the service quality.

Claim 49: Saville discloses a method for converging billing services from disparate industries as discussed above in claim 1. However, Saville does not specifically disclose the customer paying the bill. Smorodinsky discloses such a step (Fig.8, 53c). Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to include the customer paying the bill in the Saville's invention. One would have been motivated to include such a step in order to optimize the service quality through the integration of the payment procedure.

Response to Arguments

9. Applicant's arguments with respect to claims 1, 4-6, 10-57 filed on 7/26/2001 have been considered but they are not persuasive.

10. Applicant argues that: "... the examiner is respectfully requested to furnish references to support the reliance on official notice, which is not admitted, for the rejection of the claims, including at least the rejection of claims 1, 50, and 54-55. Further the official notice taken by the Examiner does not render the rejected claims obvious." (Page 7, lines 15-18).

Examiner notes that the Final Rejection dated 3/27/01 states: "...it is old and well known within the financial services industry wherein a financial institution buys debts, such as bills, from

Art Unit: 2164

other organizations. This is common in the mortgage market between the first and secondary markets. This is also used by companies who need cash and sell their accounts receivables (debts) to a financial institution or collection agency..." (Page 3, line 19-page 4, line 4). Thus, the official notice taken by the Examiner renders the rejected claims obvious.

Applicant argues that: "...in an important aspect of applicant's claimed invention, the service provider, upon receiving the account data electronically from the billers from time-to-time, acquires ownership of the receivables represented by the account data under contractual arrangements with the billers..." (Page 9, lines 8-11)

Examiner notes that the Final Rejection dated 3/27/01 states: "...it is old and well known within the financial services industry wherein a financial institution buys debts, such as bills, from other organizations. This is common in the mortgage market between the first and secondary markets. This is also used by companies who need cash and sell their account receivables (debts) to a financial institution or collection agency. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to acquire ownership of receivables. One would be motivated to acquire ownership of receivables in order to increase the flexibility of the financial solutions and to integrate all the steps of the billing process with the reception and control of the customer payments." (Page 3, line 19- Page 4, line 8). Thus, it's obvious to applied the standard business relationships between the primary and the secondary market to the Saville invention to show the step/feature of claims 1, 50, 54-57.

Art Unit: 2164

Applicant added: "...even after the service provider acquires ownership of the receivables associated with the account data received, the customer continues to purchase products or services from at least one of the billers." (Page 9, lines 14-16)

Examiner notes that Saville discloses: "...Frontier's convergent billing system provides customers with one-stop shopping and convenient integrated invoices, while providing the company with a competitive advantage: customer retention." (Page 5, lines 12-14). Consequently, Saville discloses the step in which the customer continues to purchase products or services from at least one of the billers after the service provider acquires ownership of the receivables associated with the account data received.

Thus, the above two paragraphs demonstrate that Saville discloses all the steps/features of claims 1, 50, 54-57.

Applicant added that: "Saville article is not capable of combined billing according to applicant's claimed invention. On the contrary, the article deals with a convergent billing system that bundles all of consumer's charges on various services provided by a single biller into a single convergent bill. For example, the article discusses convergent billing as a way, for example, for a telecom provider to lock in customers by offering a single bill that includes bundled products and services to give their customers a full view of all their telecom services (p. 2, lines 8-1).

According to the Saville article, a convergent billing system should adopt to a particular biller's current service offering, including PCS/cellular, cable, local, long distance, Internet, intranet,

Art Unit: 2164

interconnect, carrier access and information content billing and that the billing should be integrated (p. 2, lines 37-44).” (Page 9, line 30-page 10, line 6).

Examiner notes that the article also states: “...Saville systems of Burlington, MA has that experience and expertise. The company, which still maintains nearly every customer it has had during its 15-year history, virtually invented the billing market when it was called in to provide a system for the **combined power, light and telephone** services in Edmonton, Alberta during 1983. Since then, its customer list has grown to include such telecommunications leaders as AT&T, Americatech, GTE, Sprint and Frontier Communications.” (Page 3, lines 13-17, emphasis added). Thus, Saville article is capable of combined billing according to applicant’s claimed invention, and the billing system disclosed does not regard only telecom services, but the services of many services, such as **power, light and telephone**.

Applicant added: “The Examiner is respectfully requested to furnish references to support the reliance on official notice, which is not admitted, for the rejection of the claims, for the rejection of the claims, including...” (Page 10, lines 30-33). Examiner notes that the Office Action mailed 3/27/2001, page 4, refers to the business practice in the mortgage market between the first and secondary market, as a concrete example of acquiring ownership of the receivables. In order to be more specific in the example the examiner sites that acquires ownership of the receivables is normal business practice in the relationship between the Mortgage Department in PTO Federal Credit Union and Fannie Mai.

Art Unit: 2164

Applicant argues that: "...In the present invention, the customer continues to purchase products or services from at least one of the billers after the service provider acquires ownership of the receivables associated..." (Page 11, lines 14-16).

Examiner above notes that Saville discloses: "...Frontier's convergent billing system provides customers with one-stop shopping and convenient integrated invoices, while providing the company with a competitive advantage: customer retention." (Page 5, lines 12-14). Consequently, Saville discloses the step in which the customer continues to purchase products or services from at least one of the billers after the service provider acquires ownership of the receivables associated with the account data received.

Conclusion

11. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be

Art Unit: 2164

calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Exr. Pedro R. Kanof whose telephone number is (703) 308-9552.

The examiner can normally be reached on weekdays from 7:30 a.m. to 4:00 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Vincent Millin, can be reached on (703) 308-1065. The fax phone number for this Group is (703) 308-1396.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-3900.

PRK-10-02-01



VINCENT MILLIN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100